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PREFACE

THE PLANT VARIETY PROTECTION ACT (7 U.S.C. 2321 ET SEQ.) AUTHORIZES THE SECRETARY OF AGRICULTURE TO PUBLISH AN OFFICIAL JOURNAL AND TO PROVIDE THE PUBLIC WITH INFORMATION RELATING TO THE OPERATIONS OF THE PLANT VARIETY PROTECTION OFFICE. THE STATUTE ALSO AUTHORIZES THE SECRETARY TO DISSEMINATE TECHNOLOGICAL AND OTHER INFORMATION THAT ENCOURAGES INNOVATION AND PROGRESS IN PLANT BREEDING.

THE OFFICIAL JOURNAL, PUBLISHED QUARTERLY, IS AVAILABLE FROM:

PLANT VARIETY PROTECTION OFFICE
LIVESTOCK, POULTRY, GRAIN & SEED DIV., AMS
U.S. DEPARTMENT OF AGRICULTURE
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BELTSVILLE, MARYLAND 20705

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Issued January 1980

APPLICATIONS RECEIVED
JULY 1, 1979 TO SEPTEMBER 30, 1979

APPLICATIONS FOR PROTECTION HAVE BEEN FILED FOR THE FOLLOWING VARIETIES. EACH APPLICATION HAS BEEN ASSIGNED AN APPLICATION NUMBER AND WILL BE EXAMINED TO DETERMINE WHETHER THE VARIETY IS ENTITLED TO PROTECTION. UNTIL FURTHER NOTICE IS PUBLISHED IN THE OFFICIAL JOURNAL, SEED OF THESE VARIETIES MAY BE LABELED "UNAUTHORIZED PROPAGATION PROHIBITED - U.S. VARIETY PROTECTION APPLIED FOR."

KIND	APPL. NO.	VARIETY	APPL. DATE	NAME OF APPLICANT
ALFALFA	7900092	CIMARRON	790719	GREAT PLAINS RESEARCH CO., INC.
BLUEGRASS, KENTUCKY	7900103	COLUMBIA	790821	PURE SEED TESTING, INC.
	7900114	<ARGYLE CA-24>	790831	HEART SEED CO., INC.
CORN, POP	7900100	POP-N-EAT	790808	RUSSELL AND LOUISE JAMES
COTTON	7900102	DELTAPINE 41	790817	DELTA AND PINE LAND CO.
FESCUE, MEADOW	* 7900091	BEAUMONT	790718	MICHIGAN STATE UNIVERSITY
FESCUE, TALL	7900101	FORAGER	790809	FFR COOPERATIVE
LETTUCE	7900095	VIVA	790726	PERMISSION TO PUBLISH NOT RECEIVED
OAT	* 7900090	BROOKS	790713	NORTH CAROLINA AGRIC. RES. SERVICE (3)
ONION	7900117	NEW MEXICO YELLOW GRANO PRR	790917	DESSERT SEED CO., INC.
PEA, GARDEN	7900099	TAHOE	790806	PURE LINE SEEDS, INC.
	7900116	<AG 363F>	790905	ARDIE G. GUSTAFSON, SEEDSMAN
	7900120	ALPHA I	790925	WILBUR-ELLIS CO.
PEANUT	* 7900104	NC 7	790815	NORTH CAROLINA AGRIC. RES. SERVICE (3)
SOYBEAN	* 7900089	MCNAIR 770	790710	MCNAIR SEED CO. (3)
	* 7900093	MCNAIR 700	790725	MCNAIR SEED CO. (3)
	* 7900094	MCNAIR 780	790725	MCNAIR SEED CO. (3)
	* 7900097	BEESON 80	790730	PURDUE UNIV. AGRIC. EXPT. STA. (3)
	* 7900098	CENTURY	790730	PURDUE UNIV. AGRIC. EXPT. STA. (3)
	7900105	DUKE	790824	V. R. SEEDS, INC.
	7900106	MAGNUM	790824	V. R. SEEDS, INC.
	7900107	DELTA	790824	V. R. SEEDS, INC.
	* 7900108	GUTWEIN 221	790830	SOYBEAN RESEARCH FOUNDATION, INC. (3)

*TO BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED
< > IDENTIFIES TEMPORARY DESIGNATIONS
() NO. OF GENERATIONS OF CERTIFIED SEED PERMITTED BEYOND BREEDER'S SEED

APPLICATIONS RECEIVED (CONT)
JULY 1, 1979 TO SEPTEMBER 30, 1979

KIND	APPL. NO.	VARIETY	APPL. DATE	NAME OF APPLICANT	
SOYBEAN	* 7900109	HOBSON	790830	SOYBEAN RESEARCH FOUNDATION, INC.	(3)
	7900110	PL 70-10546D	790830	SOYBEAN RESEARCH FOUNDATION, INC.	
	7900111	PL 72-3176L	790830	SOYBEAN RESEARCH FOUNDATION, INC.	
	* 7900112	SRF 250	790830	SOYBEAN RESEARCH FOUNDATION, INC.	(3)
	* 7900113	SRF 450P	790830	SOYBEAN RESEARCH FOUNDATION, INC.	(3)
TOBACCO	* 7900118	SPEIGHT G-58	790917	SPEIGHT SEED FARMS, INC.	(3)
	* 7900096	COUNCILL	790726	ALABAMA A&M UNIVERSITY	
	* 7900115	ROY	790831	NORTH CAROLINA AGRIC. RES. SERVICE	(3)
WHEAT, COMMON	* 7900119	HOUSER	790917	CORNELL UNIV. AGRIC. EXPT. STA.	(2)

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APPLICATIONS AMENDED
JULY 1, 1979 TO SEPTEMBER 30, 1979

INFORMATION CONCERNING THE VARIETIES LISTED BELOW HAS BEEN PUBLISHED PREVIOUSLY IN THE OFFICIAL JOURNAL'S LIST OF "APPLICATIONS RECEIVED". DURING THE EXAMINATION PROCESS, THE APPLICANT REQUESTED THIS INFORMATION TO BE AMENDED AS INDICATED BELOW.

KIND	APPL. NO.	VARIETY	APPL. DATE	NAME OF APPLICANT
SQUASH	7800066	BLACK MAGIC	780511	CHARTER RESEARCH, INC.
		VARIETY WITH TEMPORARY DESIGNATION OF 77-2169 NAMED 'BLACK MAGIC'.		

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APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE
JULY 1, 1979 TO SEPTEMBER 30, 1979

APPLICATIONS FOR THE VARIETIES LISTED BELOW ARE NO LONGER BEING CONSIDERED FOR U.S. PLANT VARIET PROTECTION. UNAUTHORIZED PROPAGATION OF THESE VARIETIES IS NO LONGER PROHIBITED BY THE U.S. PLANT VARIETY PROTECTION ACT.

KIND	APPL. NO.	VARIETY
BEAN, GARDEN	7800056	GOLDEN BUTTERWAX
PUMPKIN	7100099	THOMAS HALLOWEEN
SOYBEAN	7800025	RIVERSIDE 2021

CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM
JULY 1, 1979 TO SEPTEMBER 30, 1979

CLAIMS OF THE APPLICANT REGARDING ELIGIBILITY FOR PLANT VARIETY PROTECTION AND NOVELTY AS STATED BELOW HAVE BEEN SUBSTANTIATED FOR THE FOLLOWING VARIETIES. ACCORDINGLY, CERTIFICATES OF PLANT VARIETY PROTECTION HAVE BEEN ISSUED AND ALL RIGHTS TO WHICH THE OWNER IS ENTITLED SHALL BE IN FORCE UNTIL FURTHER NOTICE IN THE OFFICIAL JOURNAL. SEED OF THESE VARIETIES MAY BE LABELED AS FOLLOWS:
"UNAUTHORIZED PROPAGATION PROHIBITED - U.S. PROTECTED VARIETY."

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER	
ALFALFA	* 7300101	SARANAC AR	790726	CORNELL UNIV.	AGRIC. EXPT. STA. (2)

'SARANAC AR' MOST CLOSELY RESEMBLES 'SARANAC', 'THOR', AND 'ANCHOR'; HOWEVER, 'SARANAC AR' IS RESISTANT TO ANTHRACNOSE, WHEREAS 'SARANAC', 'THOR', AND 'ANCHOR' ARE SUSCEPTIBLE.

* 7400065	HONEOYE	790913	CORNELL UNIV.	AGRIC. EXPT. STA. (2)
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'HONEOYE' MOST CLOSELY RESEMBLES 'SARANAC'; HOWEVER, 'HONEOYE' HAS PREDOMINANTLY VARIEGATED FLOWERS, WHEREAS 'SARANAC' HAS PREDOMINANTLY PURPLE OR VIOLET FLOWERS. 'HONEOYE' ALSO HAS A BROADER CROWN THAN 'SARANAC'.

7500042	NUGGET	790726	NORTH AMERICAN PLANT BREEDERS
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'NUGGET' MOST CLOSELY RESEMBLES 'VERNAL'; HOWEVER, 'NUGGET' IS RESISTANT TO PEA APHID AND 'VERNAL' IS SUSCEPTIBLE.

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JULY 1, 1979 TO SEPTEMBER 30, 1979

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
ALFALFA	7500100	APOLLO	790913	NORTH AMERICAN PLANT BREEDERS
'APOLLO' IS MOST SIMILAR TO 'ANCHOR'; HOWEVER, 'APOLLO' HAS RESISTANCE TO PHYTOPHTHORA SIMILAR TO THE STANDARD FOR RESISTANCE, 'AGATE', WHEREAS 'ANCHOR' IS SIMILAR TO THE SUSCEPTIBLE CHECK, 'SARAWAC'.				
	* 7800024	BAKER	790816	UNIV. OF NEBR. & S.E.A., U.S.D.A. (2)
'BAKER' IS MOST SIMILAR TO 'DAWSON'; HOWEVER, 'BAKER' IS MORE RESISTANT TO PEA APHID (68% VS 58% RESISTANT), SPOTTED ALFALFA APHID (67% VS 38% RESISTANT), POTATO LEAPHOPPER YELLOWING (3.7 VS 5.4, 1=MOST RESISTANT), DOWNY MILDEW (2.4 VS 4.0), AND ANTHRACNOSE (1.8 VS 3.2) THAN 'DAWSON'.				
BARLEY	* 7800042	MENUET	790412	VAN DER HAVE B. V., NETH.
'MENUET' MOST CLOSELY RESEMBLES 'ZEPHYR'; HOWEVER, 'MENUET' HAS SPICULES ON THE INNER LATERAL NERVES OF THE LEHMA AND 'ZEPHYR' DOES NOT.				
BEAN, GARDEN	7800078	EARLYBIRD	790412	VAN WAVEREN PFLANZENZUCHT G.M.B.H.
'EARLYBIRD' MOST CLOSELY RESEMBLES 'GALLIATIN 50'; HOWEVER, 'EARLYBIRD' IS RESISTANT TO ALPHA MUTANT RACE OF ANTHRACNOSE AND 'GALLIATIN 50' IS SUSCEPTIBLE TO ALPHA MUTANT RACE.				

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JULY 1, 1979 TO SEPTEMBER 30, 1979

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
PESQUE, RED	* 7100046	MENUET	790816	J. JOORDENS ZAADHANDEL N.V., NETH. (3)

'MENUET' MOST CLOSELY RESEMBLES 'SCARLET'; HOWEVER, 'MENUET' HAS A LONGER FLAG LEAF (12.0 VS 10.3 CM) AND HAS A LIGHTER LEAF COLOR (3.8 VS 4.7, 1=LIGHT GREEN, 5=DARK GREEN) THAN 'SCARLET'.

LETTUCE	7900017	COOLGUARD	790726	ASGROW SEED CO.
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'COOLGUARD' MOST CLOSELY RESEMBLES 'WINTERHAVEN' AND 'VANGUARD'; HOWEVER, 'COOLGUARD' HAS A LIGHTER YELLOW FLOWER COLOR THAN 'WINTERHAVEN' AND 'VANGUARD' (4D VS 6C AND 6D ROYAL HOPTICULTURAL SOCIETY COLOUR CHART).

	7900067	COMMANDER	790726	KEYSTONE SEED CO.
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'COMMANDER' MOST CLOSELY RESEMBLES 'CLIMAX'; HOWEVER, 'COMMANDER' IS RESISTANT TO DOWNY MILDEW RACE 5, WHEREAS 'CLIMAX' IS SUSCEPTIBLE AND MATURES 3-5 DAYS LATER THAN 'COMMANDER' IN THE ARIZONA DESERT AREA.

PEA, GARDEN	7900048	TEMPTER	790726	ROGERS BROTHERS SEED CO.
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'TEMPTER' MOST CLOSELY RESEMBLES 'MEDALIST'; HOWEVER, 'TEMPTER' MATURES 2 DAYS LATER, AND IS RESISTANT TO POWDERY MILDEW AND PEA ENATION MOSAIC, WHEREAS 'MEDALIST' IS SUSCEPTIBLE TO BOTH DISEASES.

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JULY 1, 1979 TO SEPTEMBER 30, 1979

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
PEA, GARDEN	7900049	KOSTA	790726	ARDIE G. GUSTAFSON, SEEDSMAN
'KOSTA' MOST CLOSELY RESEMBLES 'SCOUT'; HOWEVER, 'KOSTA' IS RESISTANT TO FUSARIUM WILT RACE 5 AND POWDERY MILDEW, WHEREAS 'SCOUT' IS SUSCEPTIBLE TO BOTH DISEASES.				
PUMPKIN	7800057	LITTLE BOO	790816	AGWAY, INC.
'LITTLE BOO' IS MOST SIMILAR TO 'SPOOKIE'; HOWEVER, 'LITTLE BOO' HAS WHITE FRUIT SKIN, WHEREAS 'SPOOKIE' HAS DARK ORANGE FRUIT SKIN.				
SOYBEAN	7900021	GT 1310	790726	NORTH AMERICAN PLANT BREEDERS
'GT 1310' IS MOST SIMILAR TO 'CUTLER' AND 'WAYNE'; HOWEVER, 'GT 1310' HAS A DULL SEED COAT, WHEREAS 'CUTLER' AND 'WAYNE' HAVE A SHINY SEED COAT.				
	7900037	A2858	790816	ASGROW SEED CO.
'A2858' MOST CLOSELY RESEMBLES 'S1474'; HOWEVER, 'A2858' HAS A DETERMINATE GROWTH HABIT AND YELLOW HILA, WHEREAS 'S1474' HAS AN INDETERMINATE GROWTH HABIT AND BROWN HILA.				

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CERTIFICATES ISSUED AND NOVELTY BASED ON APPLICANT'S CLAIM (CONT)
JULY 1, 1979 TO SEPTEMBER 30, 1979

KIND	APPL. NO.	VARIETY	ISSUE DATE	OWNER
SOYBEAN	7900058	WILSTAR 790	790913	HELENA CHEMICAL CO.
		'WILSTAR 790' MOST CLOSELY RESEMBLES 'RANSON'; HOWEVER, 'WILSTAR 790' HAS WHITE FLOWERS, WHEREAS 'RANSON' HAS PURPLE FLOWERS.		
WHEAT, COMMON	* 7700082	DELTA QUEEN	790913	COKER'S PEDIGREED SEED CO. (3)
		'DELTA QUEEN' MOST CLOSELY RESEMBLES 'ARTHUR 71'; HOWEVER, 'ARTHUR 71' IS RESISTANT TO HESSIAN FLY, WHEREAS 'DELTA QUEEN' IS SUSCEPTIBLE TO HESSIAN FLY.		
	* 7700106	5466	790816	SEED RESEARCH ASSOCIATES, INC. (2)
		'5466' MOST CLOSELY RESEMBLES '5422'; HOWEVER, '5466' HAS AN INCLINED SPIKE AT MATURITY, WHEREAS THE SPIKE OF '5422' IS ERECT.		
	* 7800002	DK-22S	790913	DOUGLASS W. KING CO. (3)
		'DK-22S' MOST CLOSELY RESEMBLES 'CAJEME 71'; HOWEVER, 'DK-22S' HAS SHORTER SPIKES (63 VS 77 MM), SHORTER BEAKS (4.7 VS 14.4 MM), AND SHORTER AWNS (44.5 VS 59.9 MM) THAN 'CAJEME 71'.		

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DESCRIPTION OF PUBLIC VARIETY

IN ACCORDANCE WITH SECTION 180.800 OF THE PLANT VARIETY PROTECTION ACT, DESCRIPTIONS OF "PUBLIC VARIETIES" VOLUNTARILY SUBMITTED ON PVP OBJECTIVE DESCRIPTION FORMS WILL BE ACCEPTED FOR PUBLICATION IN THE OFFICIAL JOURNAL. PUBLICATION OF SUCH DESCRIPTIONS IN NO WAY CONSTITUTES RECOGNITION OF THE VARIETY AS NOVEL, OR ENTITLES IT TO PROTECTION UNDER THE PLANT VARIETY PROTECTION ACT.

CROP: UPLAND COTTON (GOSSYPIMUM HIRSUTUM L.)

VARIETY: 'SOUTHWEST 2'

GENERAL INFORMATION: SOUTHWEST SEED AND DELINTING COMPANY RELEASED A MEDIUM EARLY, UPLAND COTTON VARIETY WITH STORM RESISTANCE. 'SOUTHWEST 2' IS MOST SIMILAR TO 'TAMCOT SP21'; HOWEVER, 'SOUTHWEST 2' HAS A HIGHER LEVEL OF TOLERANCE TO THE NEMATODE-FUSARIUM COMPLEX.

ORIGIN AND PEDIGREE: 'SOUTHWEST 2' WAS SELECTED FROM A CROSS BETWEEN 'AUBURN M' AND A SELECTION OF 'TAMCOT SP-32'. THE ORIGINAL CROSS WAS PERFORMED IN 1967. INCREASE WAS BEGUN IN 1973.

VARIETY DESCRIPTION:

MATURITY: FOURTEEN DAYS EARLIER THAN 'PAYMASTER 111'
ADAPTATION: CENTRAL AND HIGH PLAINS
PLANT: COMPACT HABIT, 5 CM. SHORTER THAN 'PAYMASTER 111',
FRUITING BRANCHES SHORT AND DETERMINATE
LEAVES: NORMAL TYPE, SPARSE, LIGHT GREEN AND SMOOTH
GOSSYPOL CONDITION: REDUCED GLANDS WITH NORMAL BUD GOSSYPOL
FLOWERS: NECTARIED, CREAM PETALS AND POLLEN, BRACTEOLAS LONGER
THAN BROAD WITH EIGHT TO TEN COARSE TEETH
BOLLS: STORM RESISTANT, DIAMETER 28 MM., BROADER AT MIDDLE THAN
AT BASE, LENGTH GREATER THAN WIDTH, FINELY PITTED, 4-5
LOCULAR, 5.56 GRAMS OF SEED COTTON AND 32 SEEDS PER BOLL
SEEDS: FUZZ SPARSE, SEED INDEX: 10.6 GMS/100 SEEDS
LINT: LINT PERCENTAGE OF SEED COTTON: 40.8%
FIBER STAPLE LENGTH: 32/32 INCHES (25.4 MM)
UPPER HALF MEAN LENGTH: 1.03 INCHES (26.2 MM)
UNIFORMITY RATIO: 81
FIBER STRENGTH: 20.8 CENTINEWTONS PER TEX (STELOMETER
T₁)
MICRONAIRE: 4.35
DISEASE REACTION: RESISTANT TO VERTICILLIUM WILT, ROOT KNOT
NEMATODE, AND BACTERIAL BLIGHT RACES 1 AND 2

MAINTENANCE OF BREEDER SEED: ANDREW D. HILL, SOUTHWEST SEED AND
DELINTING COMPANY, P.O. BOX 1185,
LAMESA, TEXAS 79331.

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
PLANT VARIETY PROTECTION OFFICE
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